

# **DRAFT ELEMENTS OF IWGEO US 10-YEAR PLAN**

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## **1 Introduction**

- ***Charge from OSTP/OMB***
- ***International Context: US Role & Contribution***
- ***Initial US Benefit Themes***

## **2 Purpose: From Benefits to Observations**

- ***Organize US to Better Support Benefits***
- ***Benefits to US (include sustainable development)***

## **3 Overall Architecture**

- ***Principles***
- ***IWGEO Team Work Integration***
- ***Setting the Stage for Strategic Focus Area***
- ***Developing Criteria to Prioritize***

## **4 Strategic Focus Areas – An Introduction**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
- ***Future EO Systems – Not Yet Deployed***
- ***Recommendations***

### **4.1 Reduce Loss of Life and Property from Disasters**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***

- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
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- ***Recommendations***

## **4.2 Protect and Monitor Ocean Resources**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
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## **4.3 Understand Climate, and Assess, Mitigate, and Adapt to Climate Change Impacts**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
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## **4.4 Support Sustainable Agriculture and Combat Land Degradation**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***

- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
- ***Future EO Systems – Not Yet Deployed***
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#### **4.5 Understand the Effect of Environmental Factors on Human Health and Promote Well Being**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
- ***Future EO Systems – Not Yet Deployed***
- ***Recommendations***

#### **4.6 Develop the Capacity to Make Ecological Forecasts**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***
  - ***Increasing US Capabilities***
  - ***US Building Capacity in Developing Countries***
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#### **4.7 Protect and Monitor Water Resources**

- ***User Requirements***
- ***Deployed Observing Capabilities and Commonalities***
- ***Major Gaps and Challenges***
- ***Partnerships: Interagency/International/Commercial***
- ***Capacity Building***

- ***Increasing US Capabilities***
- ***US Building Capacity in Developing Countries***
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## **5 Integrated Earth Observation System (US)**

- ***Putting it All Together***
- ***Integration with Observing System Domains***
- ***Assessment of Theme Gap Analyses***
- ***Integration of Capacity Building Needs***
- ***US Component to International System of System***

## **6 Implementation**

- ***Challenges***
- ***Schedule***
- ***Next Steps***
- ***Review and Update Process***

## **7 Appendices**

- ***Bibliography***